

PENDING CLAIMS

1. (Previously Presented) Structure of optically effective diffraction security elements in documents, wherein the optically effective diffraction security element is provided with target-oriented electrical encoding of data consisting of a discontinuous metallization layer and/or partially metallic conductive layers and/or zones of metallic layers in different planes.
2. (Previously Presented) Structure according to claim 1, wherein the form of the encoding resembles figures, in particular lines, grid-lines, bows and/or circles.
3. (Previously Presented) Structure according to claim 1, wherein the form of the encoding resembles orderly or randomly arranged geometric figures, in particular lines, grid-lines, bow and/or circles.
4. (Previously Presented) Structure according to claim 1, wherein a demetallized zone (3) in top elevation is of meandering form.
5. (Previously Presented) Structure according to claim 1, wherein metallized strip-like zones (7) and demetallized strip-like zones (8) are arranged alternately, whereby in top elevation the strip-like zones are extending parallel or vertically relative to the document feed direction.
6. (Previously Presented) Structure according to claim 1, wherein the distance between two zones of the same or dissimilar electrical conductivity corresponds to the shortest distance between two electrodes.
7. (Previously Presented) Structure according to claim 6, wherein the distance between two zones of the same or dissimilar electrical conductivity is at least 0.1 mm.
8. (Previously Presented) Structure according to any one of the preceding claims, wherein the metallized zones (7) are interrupted by one or more demetallized zones (9) extending vertically thereto.

9. (Previously Presented) Structure according to claim 8, wherein the optically effective diffraction security element is an OVD (1).

10. (Previously Presented) Structure according to claim 8, wherein the optically effective diffraction security element is a hologram.

11. (Previously Presented) Structure according to claim 8, wherein the optically effective diffraction security element is a kinegram.

12.-22. (Canceled).